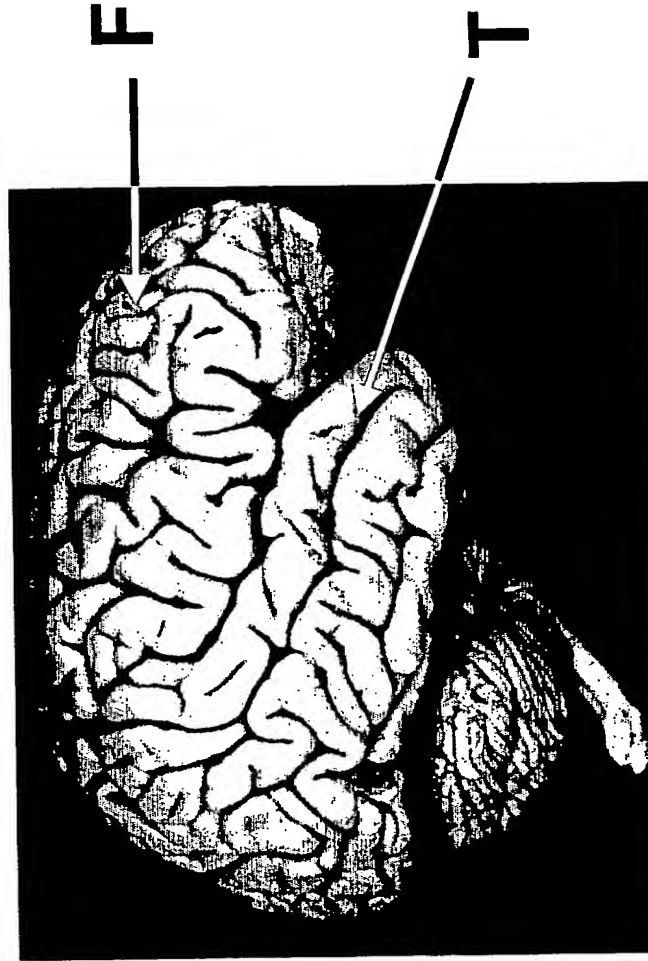
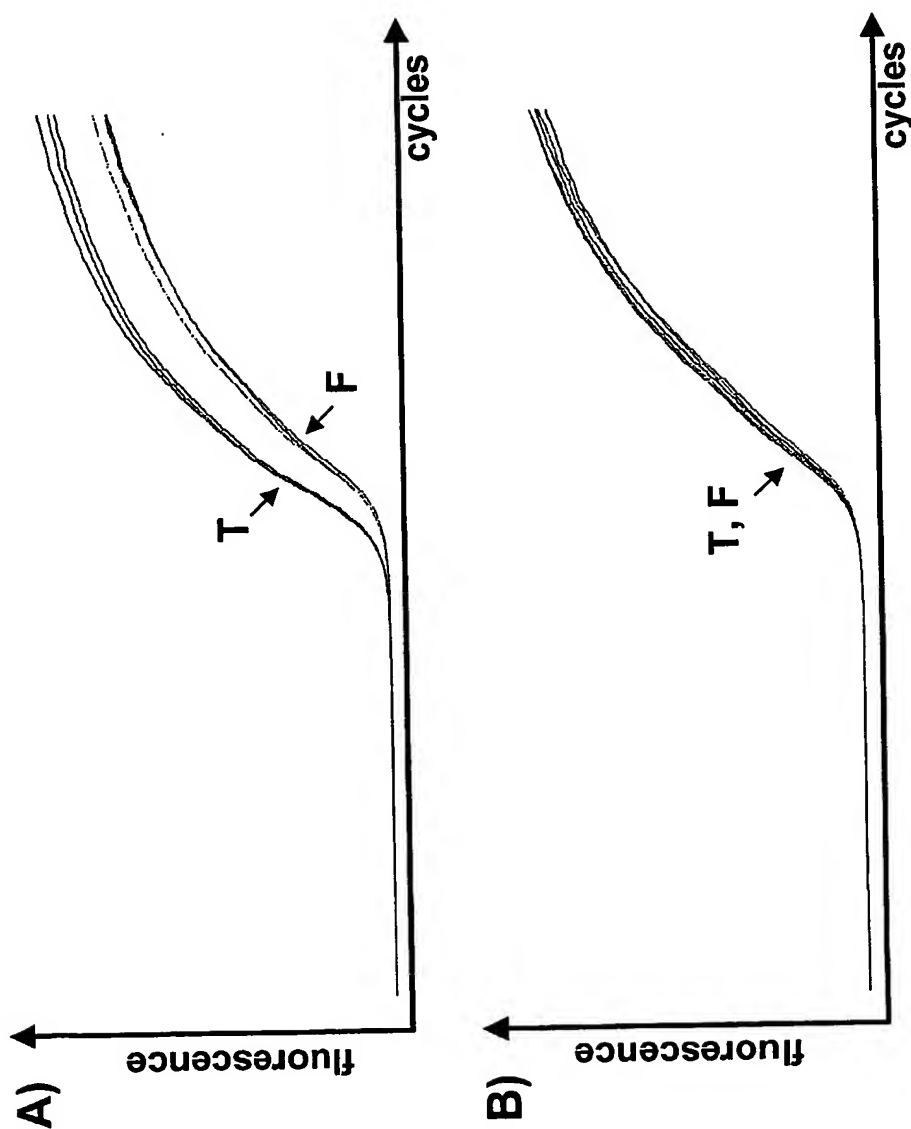


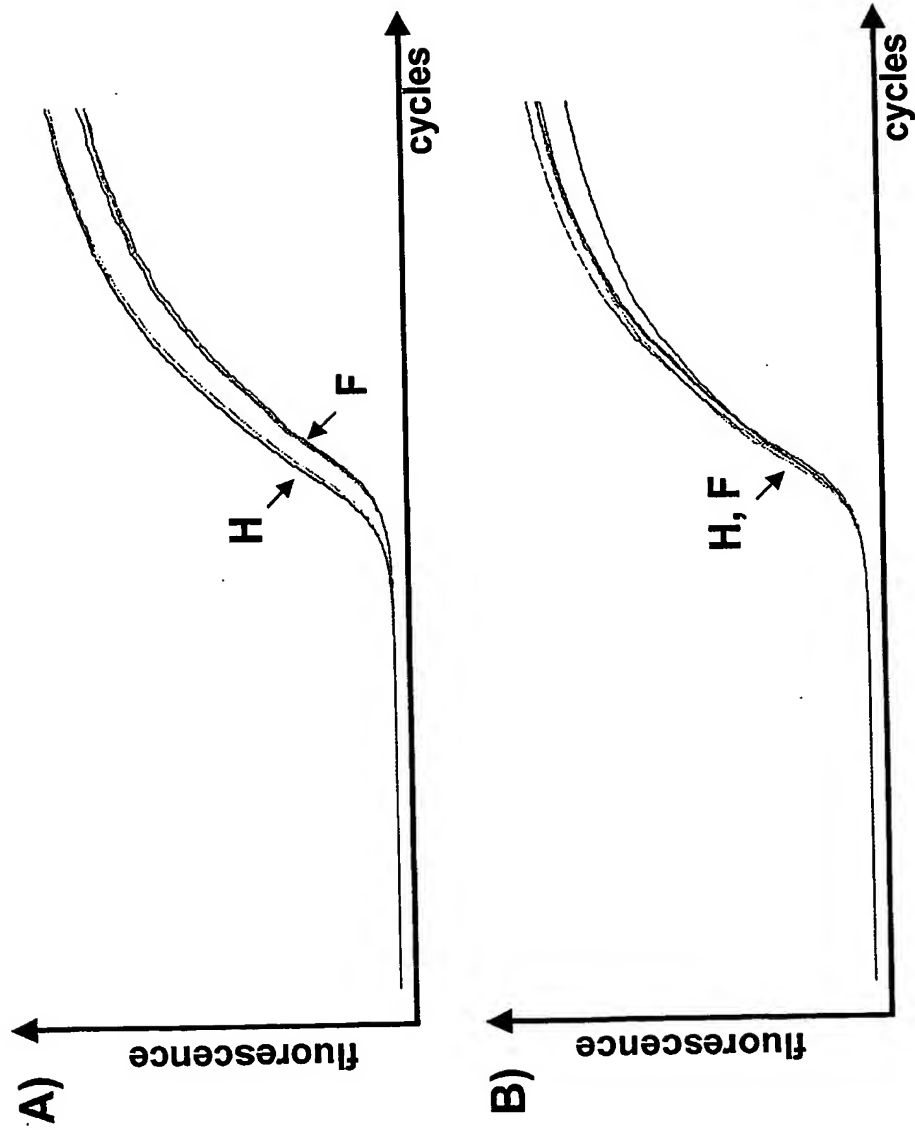
**Figure 1: Identification of genes involved in
Alzheimer's Disease pathology**



**Figure 2: Differential expression of ABCA1 as determined by
RT-PCR analysis**



**Figure 3: Differential expression of ABCA1 as determined by
RT-PCR analysis**



**Figure 4: Schematic alignment of ABCA1 RT-PCR
primers with human ABCA1 cDNA
(GenBank accession number: AF285167)**



**Figure 5: Alignment of ABCA1 RT-PCR primers
with ABCA1 cDNA (GenBank
accession number AF285167)**

```
      1 TGGTGCATCCCCCTTAGAATGT 22
        |||||
10031 TGGTGCATCCCCCTTAGAATGT 10052
```

```
      21 CTTTGTTTCATCATTGGCCCTC 1
        |||||
10124 CTTTGTTTCATCATTGGCCCTC 10144
```

Figure 6: SEQ ID NO.1: amino acid sequence of human ABCA1

Length: 2261 aa

```

1  MACWPQLRLL LWKNLTFRRR QTCQLLLEVA WPLFIFLILI SVRLSYPPYE
51  QHECHFPNKA MPSAGTLPWV QGIICNANNP CFRYPTPGEA PGVVGNFNKS
101 IVARLFSDAR RLLLYSQKDT SMKDMRKVLR TLQQIKKSSS NLKLQDFLVD
151 NETFSGFLYH NLSLPKSTVD KMLRADVILH KVFLQGYQLH LTSLCNGSKS
201 EEMIQLGDE VSELCGLPRE KLAAAERVLR SNMDILKPIL RTLNSTSPFP
251 SKELAEATKT LLHSLGTLAQ ELFSMRSWSD MRQEVMTN VNSSSSSTQI
301 YQAVSRIVCG HPEGGLKIK SLNWDNNDY KALFGGNGTE EDAETFYDNS
351 TTPYCNDLMK NLESSPLSRI IWKALKPLLV GKILYTPDTP ATRQVMAEVN
401 KTFQELAVFH DLEGMWEELS PKIWTFMENS QEMDLVRMLL DSRDNDHFEW
451 QQLDGLDWT QDIVAFLAKH PEDVQSSNGS VYTWEAFNE TNQAIRTISR
501 FMECVNLNKL EPIATEVWLI NKSMELDER KFWAGIVFTG ITPGSIELPH
551 HVKYKIRMDI DNVERTNKIK DGYWDPGPRA DPFEDMRYVW GGFAYLQDVV
601 EQAIRVLTG TEKKTGVYMQ QMPYPCYVDD IFLRVMSRSM PLFMTLAWIY
651 SVAVIIGIV YEKEARLKET MRIMGLDNSI LWFSWFISL IPLLVSAGLL
701 VVILKLGILL PYSDPSVVFV FLSVFAVVTI LQCFLISTLF SRANLAAACG
751 GIIYFTLYLP YVLCVAWQDY VGFTLKIFAS LLSPVAFGFG CEYFALFEEQ
801 GIGVQWDNLF ESPVEEDGFN LTTSVSMMLF DTFLYGVMTW YIEAVFPQY
851 GIPRPWFYPC TKSYPWFGEES DEKSHPGSNQ KRISICMEE EPTHLKLGVS
901 IQNLVKVYRD GMKVAVDGLA LNFYEQITS FLGHNGAGKT TTMSILTGLF
951 PPTSGTAYIL GKDIRSEMST IRQNLGVCPO HNVLFDMTLV EEHIWFYARL
1001 KGLSEKHVKA EMEQMALDVG LPSSKLKSKT SQLSGGMQRK LSVAFVVG
1051 SKVILDEPT AGVDPYSRRG IWELLKLYRQ GRTIILSTHH MDEADVLDGR
1101 IAIISHGKLC CVGSSLFLKN QLGTGYLTL VKKDVESLS SCRNSSTVS
1151 YLKKEDSVSQ SSSDAGLGSD HESDTLTIDV SAISNLIRK VSEARLVEDI
1201 GHELTYPVLP EAAKEGAFVE LFHEIDRLS DLGISSYGIS ETTLEEIFLK
1251 VAEESGVDAE TSDGTLPARR NRRAFGDKQS CLRPFTEDDA ADPNDSIDP
1301 ESRETDLLSG MDGKGSYQVK GWKLTQQQFV ALLWKRLIA RRSRKGFFAQ
1351 IVLPAVFVCI ALVFSLIVPP FGKYPSELEQ PWMYNEQYTF VSNDAPEDTG
1401 TLELLNALTK DPGFGTRCME GNPIPDTPCQ AGEEWTTAP VPQTIMDLFQ
1451 NGNWTMQNPS PACQCSSDKI KKMLPVCPPG AGGLPPPQRK QNTADILQDL
1501 TGRNISDYL KTYVQIIAKS LKNKIWVNEF RYGGFSLGVS NTQALPPSQE
1551 VNDATKQMKK HLKLAQDSSA DRFLNSLGRF MTGLDTRNNV KVWFNNKGWH
1601 AISSFLNVIN NAILRANLQK GENPSHYGIT AFNHPLNLTK QQLSEVAPMT
1651 TSVDVLVSIC VIFAMSFVPA SFVFLIQR VSKAKHLQFI SGVKPVIYWL
1701 SNFVWDMCNY VVPATLVIII FICFQKSYV SSTNLPVLAL LLLLYGWSIT
1751 PLMYPASFV KIPSTAYVVL TSVNLFIGIN GSVATFVLEL FTDNKLNNIN
1801 DILKSVFLIF PHFCLGRGLI DMVKNQAMAD ALERFGENRF VSPLSWDLVG
1851 RNLFAMAVEG VVFFLITVLI QYRFFIRPRP VNAKLSPLND EDEDVRRERQ
1901 RILDGGGQND ILEIKELTKI YRRKRKPAVD RICVGIPPGE CFGLLGVNGA
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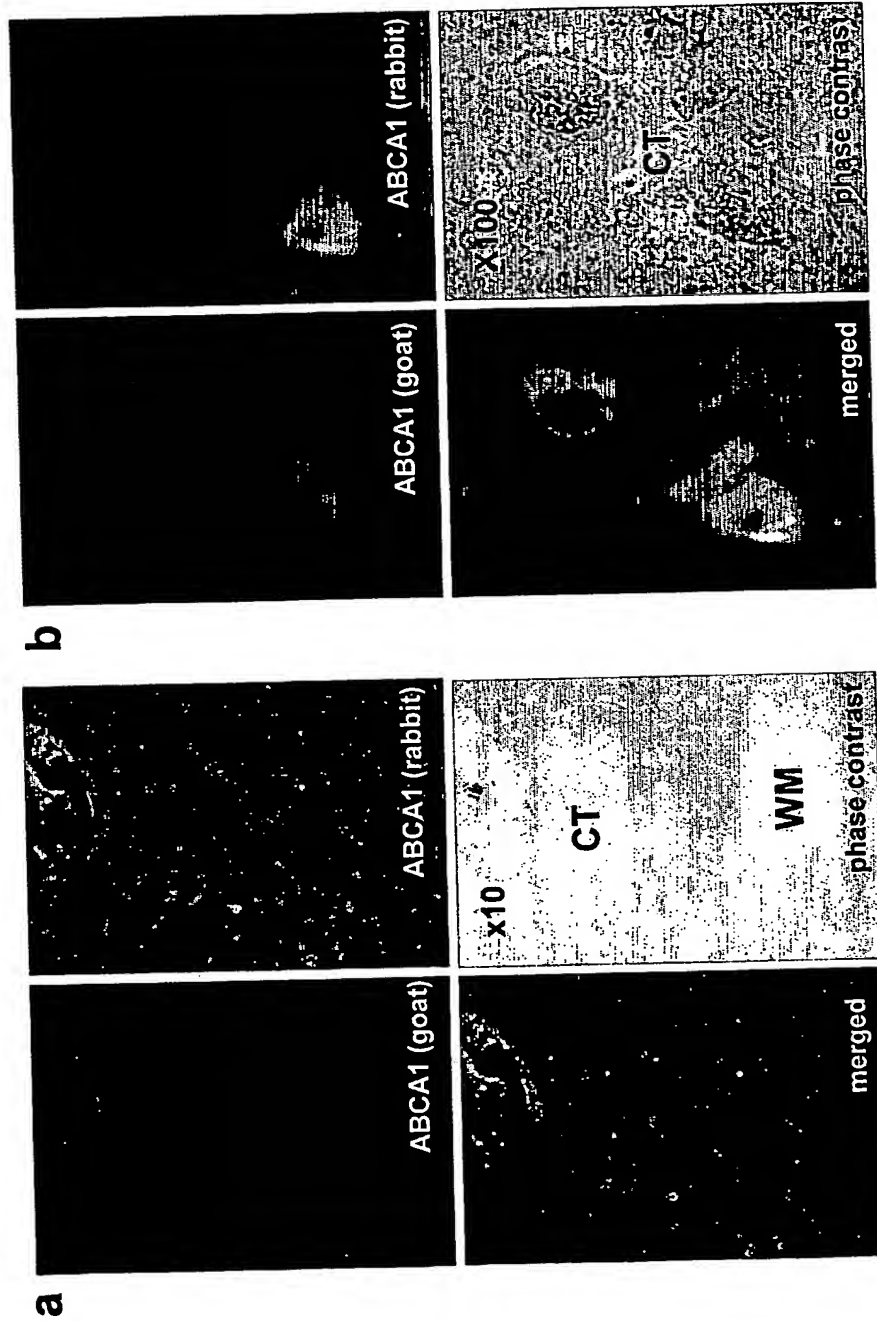
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2001	LTGREHVEFF	ALLRGVPEKE	VGKVGWAIK	KLGLVKYGEK	YAGNYSGGNK
2051	RKLSTAMALI	GGPPVVFLDE	PTTGMDPKAR	RFLWNCALSV	VKEGRSVVLT
2101	SHSMEECEAL	CTRMAMVNG	RFRCLGSVQH	LKNRFGDGYT	IVVRIAGSNP
2151	DLKPVQDFFG	LAFPGSVPKE	KHRNMLQYQL	PSSLSSLARI	FSILSQSKKR
2201	LHIEDYSVSQ	TTLQVFNF	AKDQSDDDL	KDLSLHKNQT	VVDVAVLTSF
2251	LQDEKVKEY	V			

Figure 7: Images of the human cerebral cortex labeled with anti-ABCA1 antibodies and with DAPI



10/511545

- 9/10 -

Table 1 :

sample	Δ (fold) (temporal / frontal cortex)
--------	--

control C011	1.04
control C012	0.85
control C014	0.81
control C005	1.49
control C008	1.40
patient P012	1.18
patient P016	2.48
patient P010	1.55
patient P011	1.80
patient P014	1.45
patient P017	2.35
patient P019	2.99

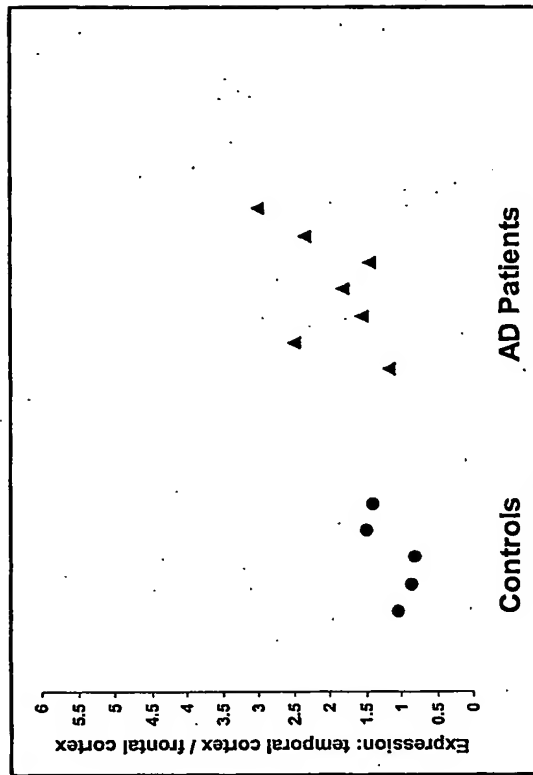


Figure 8

Table 2:

sample Δ (fold)
(hippocampus / frontal cortex)

control C005	1.18
control C008	3.22
control C004	2.40
patient P012	2.01
patient P016	4.16
patient P010	1.96
patient P011	2.66
patient P014	1.96
patient P019	5.83

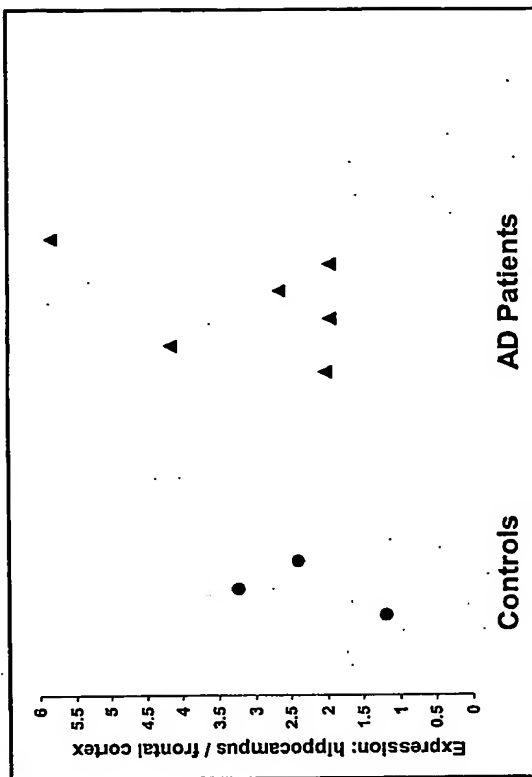


Figure 9

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